

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	108	310/154.21,154.22.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 08:26
S2	3	((SHEN) near2 (ZHAO)). INV.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 08:34
S3	416	h02k1/18.ipc.	JPO	ADJ	OFF	2008/02/22 08:42
S4	1	h02k1/18.ipc. and two pole \$3	JPO	ADJ	OFF	2008/02/22 08:42
S5	26	h02k3/30.ipc.	JPO	ADJ	OFF	2008/02/22 08:43
S6	29	h02k3/44.ipc.	JPO	ADJ	OFF	2008/02/22 08:44
S7	0	h02k1/18.ipc. and single phase	JPO	ADJ	OFF	2008/02/22 08:45
S8	1193	310/152.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 08:46
S9	20	S8 and single phase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 08:46
S10	73	("1739082"   "1939032"   "2842692"   "3025421"   "3026432"   "3253170"   "3430084"   "3463954"   "3539855"   "3624434"   "3819967"   "3864821"   "3887826"   "3889141"   "4014596"   "4071794"   "4087707"   "4114061"   "4155023"   "4164674"   "4186319"   "4295268"   "4326757"   "4475053"   "4480380"   "4504754"   "4616151"   "4700098"   "4759526"   "4800313"   "4806025"   "4833353"   "4887916"   "4918348"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 09:38

		"4933582"   "4935655"   "4961016").PN. OR ("5497039").URPN.				
S11	39	310/154.38.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 09:53
S12	86	310/154.38,154.35.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 09:54
S13	115	310/154.31.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 09:57
S14	9	310/145.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 10:05
S15	30	310/154.46.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 10:06
S16	5069	"310".clas. and @pd< "20050930" and ((two or "2") pole\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 10:11
S17	3683	S16 and rotor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 10:11
S18	216	S17 and cogging	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 10:12

S19	17	("3296472"   "4355249"   "4554491"   "5095238"   "5739615"   "5789834"   "5859487"   "5967763"   "6384505"   "6407473"   "6441531"   "6512319"   "6534893").PN. OR ("6624541").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 10:14
S20	3581	"310".clas. and @pd< "20050930" and ((single or "1") phase)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 10:18
S21	15	("3617785"   "3777367"   "3864821"   "4197477"   "4583015"   "4616151"   "5327035").PN. OR ("5982055").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 10:26
S22	54	("1761836"   "1976880"   "2227894"   "2240652"   "2250395"   "2601517"   "3032670"   "3164734"   "3214620"   "3264538"   "3299335"   "3433987"   "3493831"   "3644809"   "3739248"   "3860843"   "3873897"   "4023057"   "4110718"   "4237397").PN. OR ("4438362").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 10:30
S23	78	("3264538"   "3486099"   "3517289"   "3541408"   "3652909").PN. OR ("3873897").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 10:39
S24	54	("1761836"   "1976880"   "2227894"   "2240652"   "2250395"   "2601517"   "3032670"   "3164734"   "3214620"   "3264538"   "3299335"   "3433987"   "3493831"   "3644809"   "3739248"   "3860843"   "3873897"   "4023057"   "4110718"   "4237397").PN. OR ("4438362").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 10:41
S25	15	S17 and spring near shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 11:04
S26	9	("4616151"   "4881002"   "5528096"   "5982055").PN. OR ("6316850").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 11:40

S27	6	("3064150"   "4280072"). PN. OR ("4881002").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 11:41
S28	2409	S20 and pole\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 11:42
S29	1978	S20 and pole\$3 and rotor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 11:42
S30	283	S20 and pole\$3 and rotor and (two poles\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 11:43
S31	73	("1739082"   "1939032"   "2842692"   "3025421"   "3026432"   "3253170"   "3430084"   "3463954"   "3539855"   "3624434"   "3819967"   "3864821"   "3887826"   "3889141"   "4014596"   "4071794"   "4087707"   "4114061"   "4155023"   "4164674"   "4186319"   "4295268"   "4326757"   "4475053"   "4480380"   "4504754"   "4616151"   "4700098"   "4759526"   "4800313"   "4806025"   "4833353"   "4887916"   "4918348"   "4933582"   "4935655"   "4961016").PN. OR ("5497039").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 11:54
S32	175	h02k1/22.ipc.	JPO	ADJ	OFF	2008/02/22 12:00
S33	3	("3064150"   "4280072"). PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 12:04
S34	3	("4881002").URPN.	USPAT	ADJ	OFF	2008/02/22 12:04
S35	87	"310".clas. and torquer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 12:16

S36	6	("3064150"   "4280072"). PN. OR ("4881002").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/02/22 14:09
S37	76	310/154.21.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:36
S38	38	310/154.26.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:38
S39	5069	"310".clas. and @pd< "20050930" and ((two or "2") pole\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:42
S40	3683	S39 and rotor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:42
S41	2047	S40 and core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:42
S42	387	S40 and rotor core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:43
S43	3352	S40 and magnet\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:44
S44	351	S43 and rotor core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:44

S45	77	310/154.01.ccls. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:48
S46	2	h02k33/00.ipc. and @pd< "20050930"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 14:59
S47	2	"09163708"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/02/22 15:39
S48	49	("3716769"   "3840761"   "3873897"   "4030005").PN. OR ("4099104").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:35
S49	2518	310/254.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:43
S50	1645	S49 and stator and rotor	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:43
S52	110	S50 and salient near pole	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:44
S53	60	S50 and salient near pole and permanent magnet	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:44
S54	126	S49 and salient near pole	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:45
S55	64	S54 and salient near pole and permanent magnet	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:45
S56	55	S52 and slot\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:46
S57	6	("3064150"   "4280072"). PN. OR ("4881002").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 14:59
S58	6	("3064150"   "4280072"). PN. OR ("4881002").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/15 15:32
S59	2	"4730136".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/08/15 15:53
S60	42	310/154.22.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 11:29

S61	9	("4219825"   "4345228"   "4999531"   "5038064"   "5184893"   "5749350"   "6153952"   "6727607"   "7279815").PN. OR ("7436094").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 11:30
S62	27	("3873897"   "4011475"   "4099104"   "4217508"   "4286184"   "4357563"   "4365187"   "4398134"   "4429263").PN. OR ("4730136").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 11:42
S63	17	("3601507"   "3631272"   "4311933"   "4336470"   "4409940"   "4730136"   "4895344"   "4913114"   "4915074"   "5005545"   "5239961"   "5705874"   "5777412"   "5826553"   "5912538"   "6043583").PN. OR ("6518683").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 11:45
S64	643	310/269.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 11:54
S65	951	310/36.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:20
S66	429	S65 and magnet\$3 and pole \$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:20
S67	229	S65 and magnet\$3 and rotor	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:20
S68	7	("3644763"   "4345228"   "4500861"   "4575652"   "4731778"   "5355373").PN. OR ("5990584").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:24
S69	9505	motor and magnet\$3 and coil\$3 and (valve\$3 or throttle) and torque	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:33
S70	106	S69 and rotor and stator and cogging	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:34
S71	115	310/154.31.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:40
S72	1363	310/154.\$ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:42
S73	115	S72 and magnet\$3 near2 thickness	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:43
S74	5894	"310".clas. and (valve\$3 or throttle)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:46
S75	2153	S74 and magnet\$3 same coil \$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:46
S76	468	S75 and rotor and stator and permanent magnet\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:47

S77	39	310/154.38.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:57
S78	1068	"310".clas. and cogging and permanent magnet\$3 and rotor and stator	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:57
S79	737	S78 and core and pole\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 12:58
S80	895	310/259.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 13:09
S81	15	S80 and cogging\$3.ab.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 13:09
S82	1990	310/216.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 13:11
S83	85	S82 and cogging\$3.ab.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 13:11
S84	36	S74 and 310/154.\$ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 13:29
S85	574	"251".clas. and rotor and stator	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 13:36
S86	253	S85 and coil\$3 and magnet \$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 13:36
S87	11	("20020078923"   "3704635"   "4625943"   "4873957"   "4880207"   "5492097"   "5509396"   "5685521"   "5762044"   "6173939").PN. OR ("6863259").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 14:01
S88	1	2004/0084016	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 14:07
S89	1	"20040084016"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 14:07
S90	2405	"123".clas. and rotor and stator	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 14:10
S91	903	S90 and coil\$3 and magnet \$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 14:10
S92	534	S91 and (valve\$3 or throttle)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 14:10
S93	16	("4274026"   "4570118"   "5609184"   "5624100"   "5738072"   "5823165"   "6009853"   "6037730"   "6067961"   "6109589"   "6147427"   "B1 6167866"). PN. OR ("6239562").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 14:20



S94	98	(isamu near2 nitta).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/01/24 14:36
S95	702	S72 and pole\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:08
S96	194	S72 and pole\$3 near2 rotor	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:13
S97	10	("4217508"   "4237397"   "4438362"   "4460839"   "4467232"   "4536669"   "4845398"   "5008578"   "5798625"   "5920139").PN. OR ("6020666").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:17
S98	989	proportional and torquer	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:26
S99	494	proportional same torquer	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:27
S100	49	proportional near2 torquer	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:27
S101	1537	"310".clas. and magnet\$3 near2 thickness	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:28
S102	604	S101 and (310/156\$.ccls. or 310/154\$.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 15:29
S103	8	("4341969"   "4777717"   "5105113"   "5162684"   "5206556"   "5358341"   "5660786"   "6509662").PN. OR ("6710493").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 16:44
S104	11	("4556809"   "4713569"   "4748359"   "4774426"   "4935655").PN. OR ("5105113").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 16:50
S105	409	h02k033/00.ipc.	JPO; DERWENT	ADJ	OFF	2009/01/24 16:51
S106	290	S105 and magnet\$3	JPO; DERWENT	ADJ	OFF	2009/01/24 16:51
S107	6941	"310".clas. and magnet\$3 and two near2 pole\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 17:06
S108	4141	"310".clas. and magnet\$3 and two pole\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 17:06
S109	555	"310".clas. and magnet\$3 and two pole\$3 near2 rotor	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 17:06
S110	589	310/40mm.ccls.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 17:08
S111	92	S110 and magnet\$3 and two near2 pole\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 17:08

S112	252	S110 and magnet\$3 and pole\$3	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 17:11
S113	13	("2731574"   "3062978"   "3783318"   "5338996"   "5349741"   "5428257"   "Re28705").PN. OR ("5811907").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 17:18
S114	2	("2731574").URPN.	USPAT	ADJ	OFF	2009/01/24 17:19
S115	50	("3716769"   "3840761"   "3873897").PN. OR ("4030005").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/01/24 19:21

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